WHAT IS CLAIMED IS:

- 1 1. A ball screw device comprising:
- 2 a screw shaft of which an outer peripheral surface is
- 3 formed with a helical screw groove;
- 4 a nut of which an inner peripheral surface is formed with
- 5 a helical screw groove corresponding to the helical screw
- 6 groove of said screw shaft;
- 7 a helical circulation path defined by the two helical
- 8 screw grooves;
- 9 a multiplicity of balls so disposed in said helical
- 10 circulation path as to be capable of rolling; and
- 11 a plurality of spacers,
- 12 wherein each spacer is disposed between two adjacent
- 13 balls and has two concave surfaces facing respectively to said
- 14 two balls, and
- 15 a section of each of the concave surfaces of at least one
- 16 spacer is shaped such that a central portion is rectilinearly
- 17 connected to an outer edge of the spacer.
 - 2. A linear motion device comprising:
 - 2 an outer member;
 - 3 an inner member facing said outer member via a gap;

a multiplicity of balls disposed between said outer

member and said inner member; and

a spacer interposed between adjacent balls,

wherein said spacer has concave surfaces with which said

adjacent balls come into line contact.

3. A linear motion device comprising:

an outer member;

an inner member facing said outer member via a gap;

a multiplicity of balls disposed between said outer

member and said inner member; and

a spacer interposed between adjacent balls,

wherein said spacer has at least three spaced portions

with which said adjacent balls come into contact.